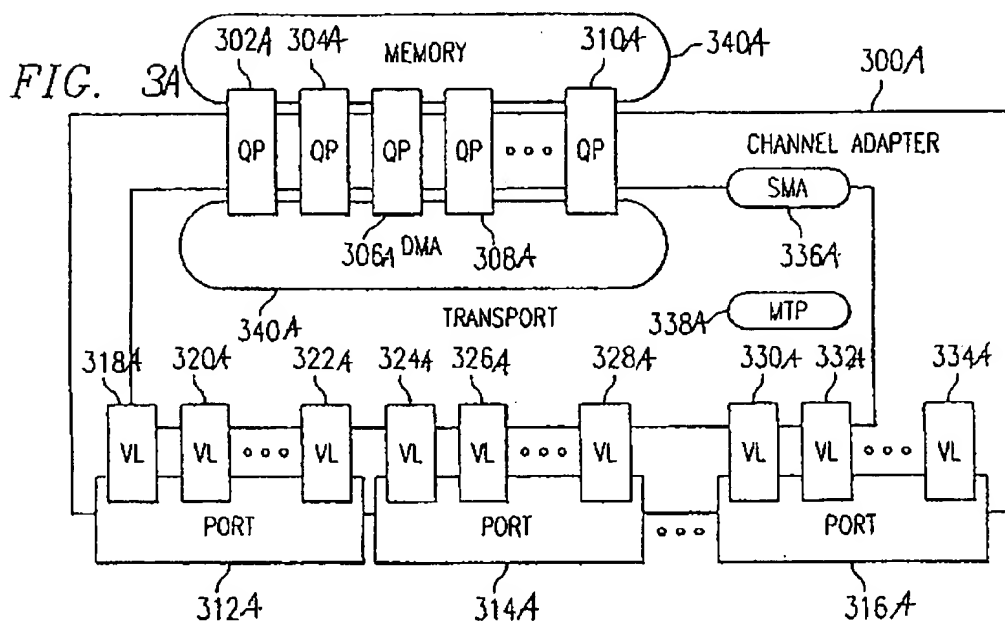
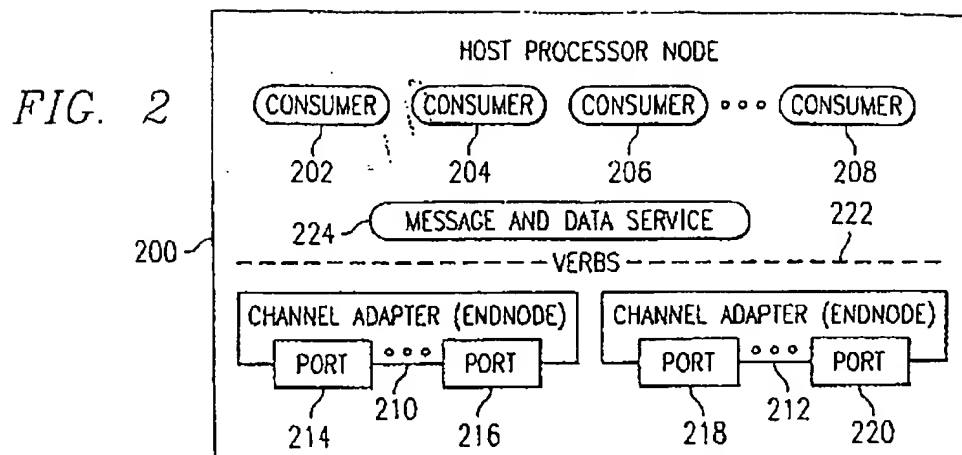


FIG. 1  
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FIG. 2

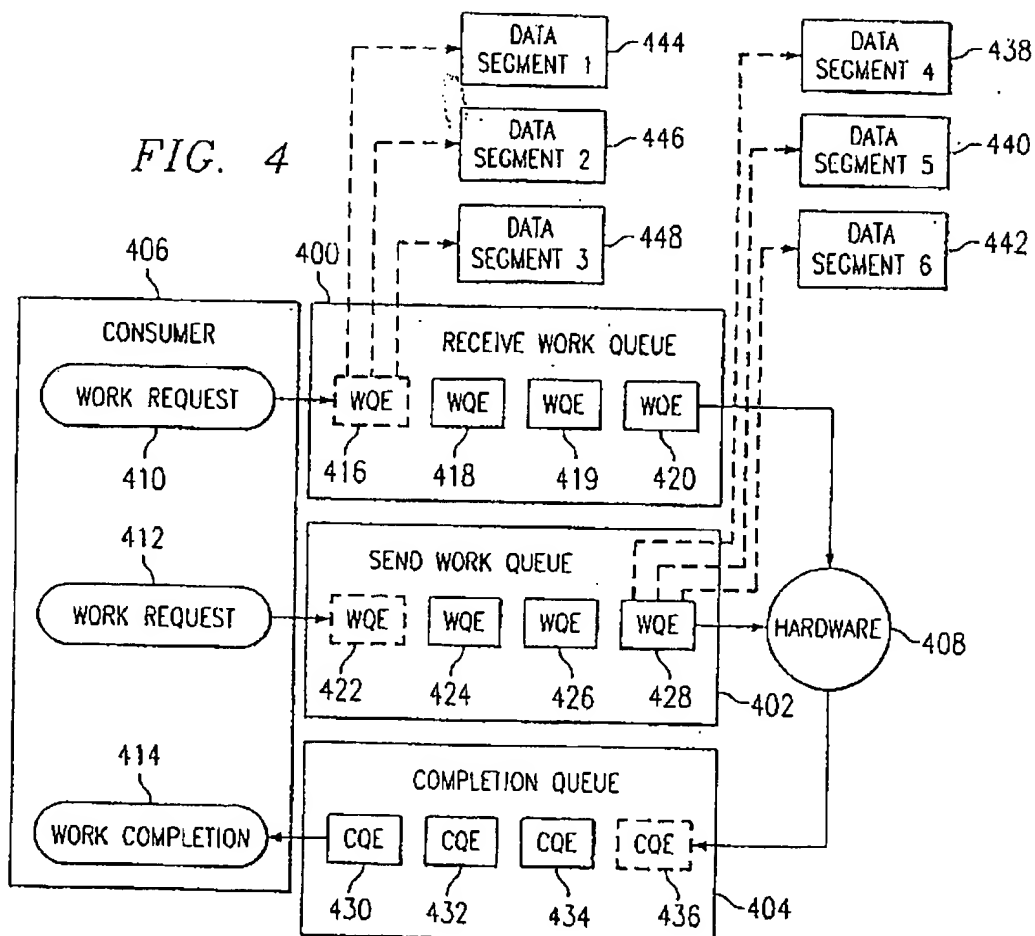


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Fig. 3B

FIG. 4



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FIG. 5

500

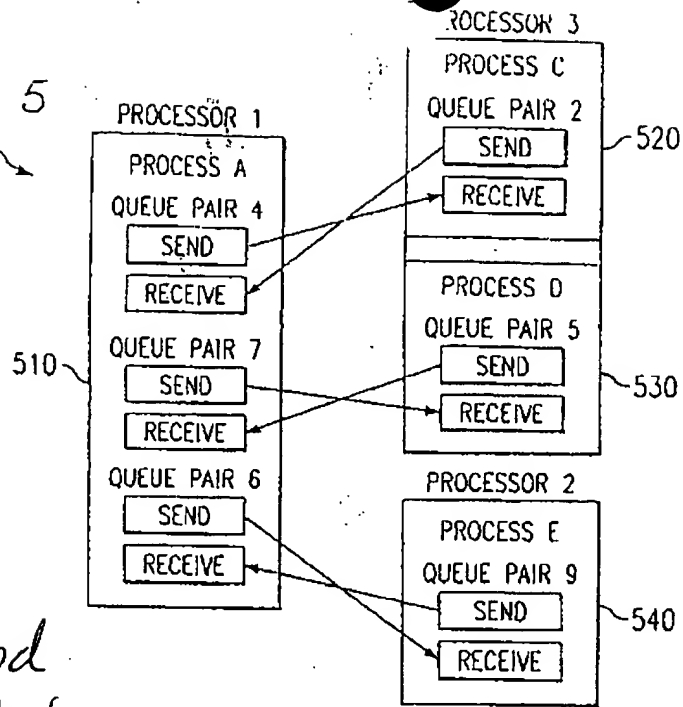
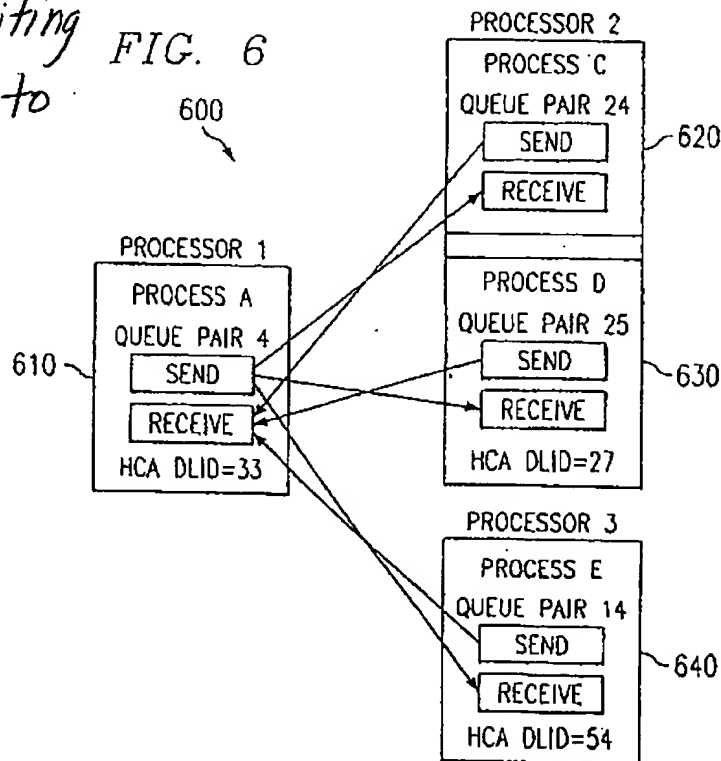
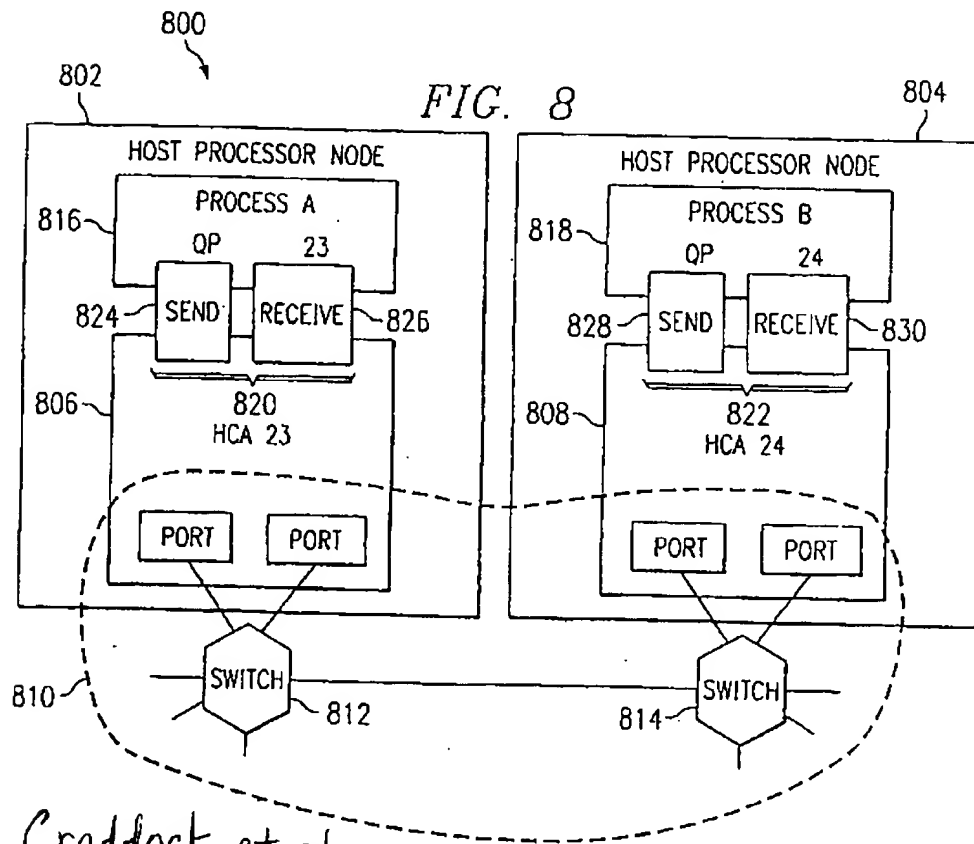
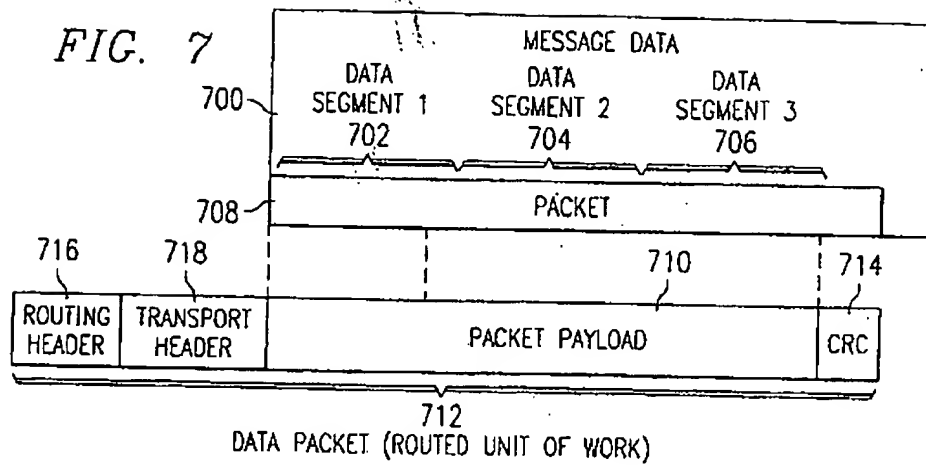


FIG. 6

600



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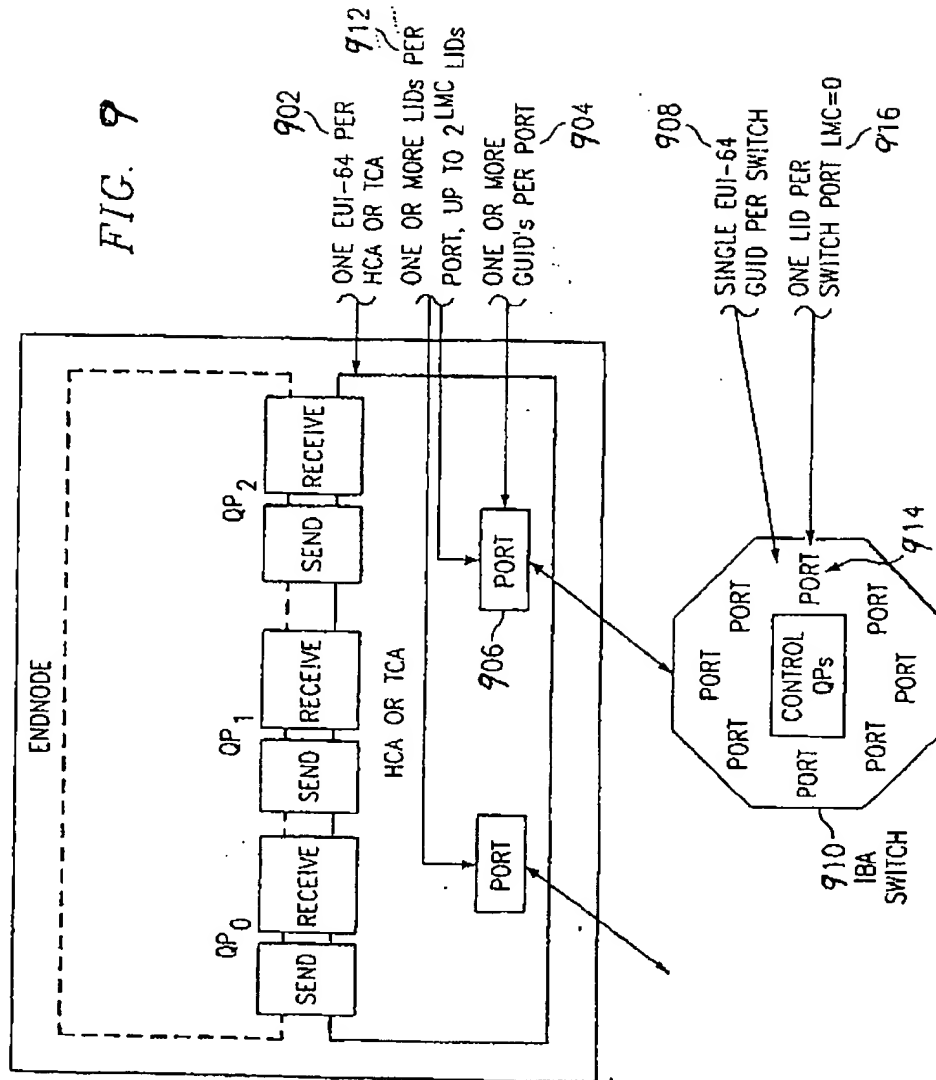


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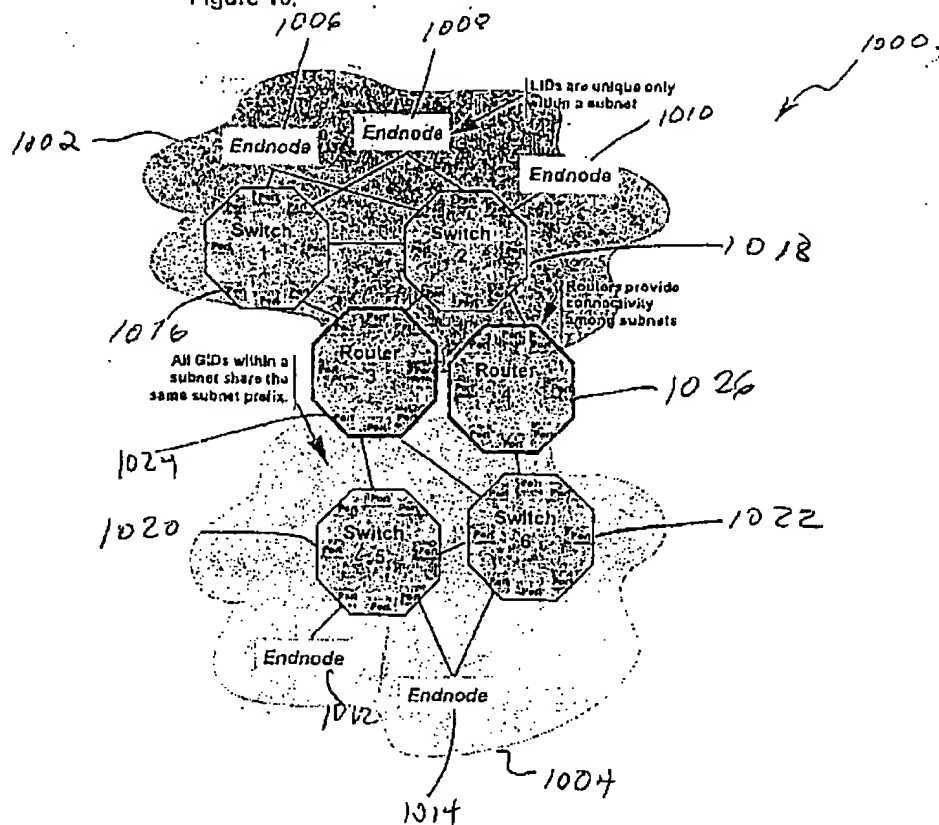
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**Figure 10:**



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The diagram illustrates the mapping of a Work Queue Element (WQE) to a memory region. It shows the following components and flow:

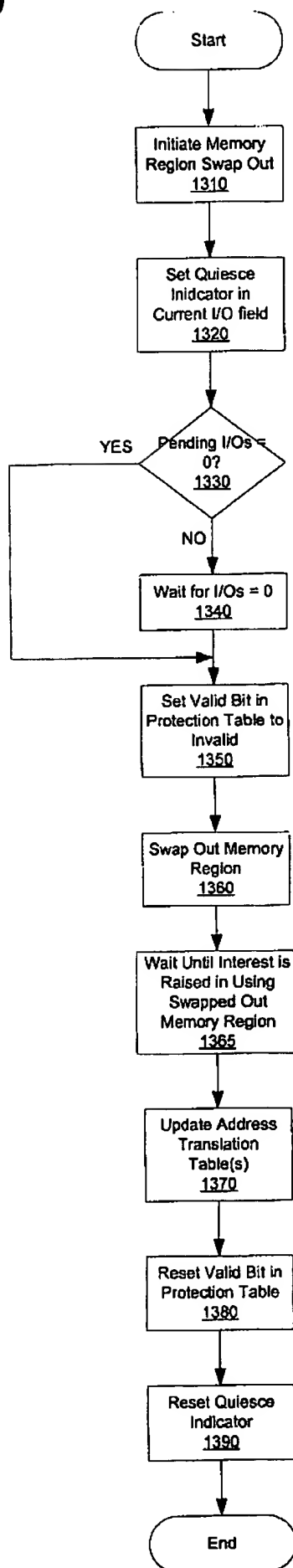
- Work Queue (1200):** Contains a **WQE Data Segment (1202)**.
- Segment Virtual @ (1204):** Derived from the WQE Data Segment.
- Region Virtual @ (1206):** Derived from the Segment Virtual address via a subtraction operation (1208).
- Offset Into Region (1210):** Derived from the Region Virtual address.
- Address Translation Tables (1214):** Contains **Address Translation Table Entries (1212)**.
- Memory Region (1218):** Divided into pages (Page 1, Page 2, Page 3, ..., Page N). The mapped memory region (1216) is shown as a shaded area within the Memory Region (1218).

The flow of mapping is as follows:

- The **WQE Data Segment (1202)** is mapped to the **Segment Virtual @ (1204)**.
- The **Segment Virtual @ (1204)** is mapped to the **Region Virtual @ (1206)** via a subtraction operation (1208).
- The **Region Virtual @ (1206)** is mapped to the **Offset Into Region (1210)**.
- The **Offset Into Region (1210)** is used to access the **Address Translation Table Entries (1212)** within the **Address Translation Tables (1214)**.
- The **Address Translation Table Entries (1212)** are mapped to a specific memory region (1216) within the **Memory Region (1218)**.

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### Figure 13

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